

## Refine Search

### Search Results -

Terms	Documents
L17 and portable near electronic near device	10

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:





### Search History

DATE: Saturday, June 24, 2006    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L18</u>	L17 and portable near electronic near device	10	<u>L18</u>
<u>L17</u>	docking near terminal	183	<u>L17</u>
<u>L16</u>	L15 and transaction	39	<u>L16</u>
<u>L15</u>	authorization near request with facility	45	<u>L15</u>
<u>L14</u>	14 and 235/383	20	<u>L14</u>
<u>L13</u>	14 and 235.clas.	31	<u>L13</u>
<u>L12</u>	14 and 235/375	4	<u>L12</u>
<u>L11</u>	14 and 705/43	4	<u>L11</u>
<u>L10</u>	14 and 19	4	<u>L10</u>
<u>L9</u>	455.clas.	111704	<u>L9</u>
<u>L8</u>	14 and 17	1	<u>L8</u>
<u>L7</u>	455/557	3083	<u>L7</u>
<u>L6</u>	14 and 15	1	<u>L6</u>

<u>L5</u>	455/551	518	<u>L5</u>
<u>L4</u>	L3 and (self-service with terminal or self-service near terminal or self-service adj terminal)	56	<u>L4</u>
<u>L3</u>	L2 and communication with port	6868	<u>L3</u>
<u>L2</u>	L1 and transaction	45864	<u>L2</u>
<u>L1</u>	user with interface	244505	<u>L1</u>

END OF SEARCH HISTORY

[First Hit](#) [Fwd Refs](#) [Previous Doc](#) [Next Doc](#) [Go to Doc#](#)

[Generate Collection](#)[Print](#)

L14: Entry 5 of 20

File: USPT

Sep 21, 2004

US-PAT-NO: 6793134

DOCUMENT-IDENTIFIER: US 6793134 B2

TITLE: Self-service terminal

DATE-ISSUED: September 21, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clark; Barrie	Dundee			GB

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
NCR Corporation	Dayton	OH			02

APPL-NO: 10/610027 [PALM]

DATE FILED: June 30, 2003

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
GB	0217846	August 1, 2002

INT-CL-ISSUED: [07] G06 F 17/60, G06 K 5/00

US-CL-ISSUED: 235/379; 235/380

US-CL-CURRENT: 235/379; 235/380FIELD-OF-CLASSIFICATION-SEARCH: 235/379, 235/380, 235/383, 235/381, 235/382, 902/3, 382/115, 382/116, 340/5.82, 340/5.83, 340/5.84

See application file for complete search history.

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

[Search Selected](#)[Search ALL](#)[Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5057677</u>	October 1991	Bertagna et al.	235/380
<input type="checkbox"/> <u>6016476</u>	January 2000	Maes et al.	
<input type="checkbox"/> <u>6305603</u>	October 2001	Grunbok et al.	235/379
<input type="checkbox"/> <u>6484936</u>	November 2002	Nicoll et al.	235/379

<input type="checkbox"/> <u>6547130</u>	April 2003	Shen	235/380
<input type="checkbox"/> <u>6702181</u>	March 2004	Ramachandran	235/380
<input type="checkbox"/> <u>2001/0011680</u>	August 2001	Solitesz et al.	235/379
<input type="checkbox"/> <u>2003/0129965</u>	July 2003	Siegel	455/411

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
0 379 333	July 1990	EP	
2 374 711	October 2002	GB	

ART-UNIT: 2876

PRIMARY-EXAMINER: Lee; Michael G.

ASSISTANT-EXAMINER: Taylor; April A.

ATTY-AGENT-FIRM: Chan; Michael

## ABSTRACT:

A self-service terminal (12) having a wireless communication port (28) for interacting with a user's portable device (60 or 70) is described. The terminal (12) may be an ATM, and includes a biometric device (35) for capturing biometric data from a user at the terminal (12). The terminal (12) is operable to receive biometric data from portable devices (60 or 70) within the vicinity (76) of the terminal (12), and compares the received biometric data with data captured by the biometric device (35) to determine which portable device (60 or 70) is associated with the user at the terminal (12). A method of executing a transaction at a self-service terminal (12) having a wireless communications port (28) is also described.

15 Claims, 3 Drawing figures

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)[Search Forms](#)[Generate Collection](#)[Print](#)[Search](#)[Results](#)[User Searches](#)[Entry 6 of 20](#)

File: USPT

Jul 20, 2004

[Preferences](#)[Logout](#)

US-PAT-NO: 6763999

DOCUMENT-IDENTIFIER: US 6763999 B2

TITLE: Self-service terminal

DATE-ISSUED: July 20, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coventry; Lynne	Edinburgh			GB

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
NCR Corporation	Dayton	OH			02

APPL-NO: 09/871928 [\[PALM\]](#)

DATE FILED: June 1, 2001

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
GB	0013703	June 6, 2000

INT-CL-ISSUED: [07] G06 F 17/60

US-CL-ISSUED: 235/379; 381/383

US-CL-CURRENT: 235/379; 381/383FIELD-OF-CLASSIFICATION-SEARCH: 235/379, 235/381, 235/383, 235/380, 235/492, 705/1, 705/10, 705/14, 705/39, 705/42

See application file for complete search history.

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

[Search Selected](#)[Search ALL](#)[Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4674041</u>	June 1987	Lemon et al.	705/14
<input type="checkbox"/> <u>5619558</u>	April 1997	Jheeta	379/92.01
<input type="checkbox"/> <u>5640002</u>	June 1997	Ruppert et al.	235/462.46
<input type="checkbox"/> <u>5652421</u>	July 1997	Veeneman et al.	

<input type="checkbox"/>	<u>6012049</u>	January 2000	Kawan	705/41
<input type="checkbox"/>	<u>6196464</u>	March 2001	Patterson et al.	235/477
<input type="checkbox"/>	<u>6223983</u>	May 2001	Kjonaas et al.	235/379
<input type="checkbox"/>	<u>6311165</u>	October 2001	Coutts et al.	705/21
<input type="checkbox"/>	<u>6456981</u>	September 2002	Dejaeger et al.	705/14

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
0715282	June 1996	EP	
8905489	June 1989	WO	
9530215	November 1995	WO	
9717680	May 1997	WO	
9745796	December 1997	WO	
0005670	February 2000	WO	

ART-UNIT: 2876

PRIMARY-EXAMINER: Lee; Michael G.

ASSISTANT-EXAMINER: Nguyen; Kimberly D.

ATTY-AGENT-FIRM: Chan; Michael

## ABSTRACT:

A self-service terminal (14) comprising a port for outputting transaction details is described. The terminal is operable to append current information relating to preferences (such as share prices, exchange rates, and such like) previously selected to transaction details output via the port. A method of providing current information relating to preselected preferences to a user at a terminal is also described. The method comprises the steps of: identifying a user; accessing a datastore to obtain preselected preferences associated with the user; obtaining current information relating to the preselected preferences; and, in response to a request to output transaction details to a port, appending the current information to the transaction details.

6 Claims, 6 Drawing figures

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)   [Fwd Refs](#)   [Previous Doc](#)   [Next Doc](#)   [Go to Doc#](#)



Generate Collection

Print

L14: Entry 9 of 20

File: USPT

Mar 11, 2003

US-PAT-NO: 6530520

DOCUMENT-IDENTIFIER: US 6530520 B1

TITLE: Apparatus and method for operating a checkout system having an RF transmitter for communicating to a receiver associated with an intercom system

DATE-ISSUED: March 11, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Snyder; Robert L.	Suwanee	GA		
Lippert; Kurt J.	Snellville	GA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
NCR Corporation	Dayton	OH			02

APPL-NO: 09/432631   [\[PALM\]](#)

DATE FILED: November 2, 1999

## PARENT-CASE:

CROSS REFERENCE Cross reference is made to copending U.S. patent applications Ser. No. 09/432,638, entitled "Apparatus and Method for Operating a Checkout System Having a Security Scale for Providing Security During an Assisted Checkout Transaction" by Wilfried E. Y. Dejaeger; Ser. No. 09/432,641, entitled "Apparatus and Method for Operating a Checkout System Having a Scanner Which is Rotatable Between an Assisted Scanner Position and a Self-Service Scanner Position" by Wilfried E. Y. Dejaeger, Mark S. Hoffman, Terry M. Glogovsky, and Alfred J. Hutcheon; Ser. No. 09/432,640, entitled "Apparatus and Method for Operating Convertible Checkout System Which Has a Customer Side and a Personnel Side" by Wilfried E. Y. Dejaeger, Alfred J. Hutcheon, John C. Addy, and James Morrison; Ser. No. 09/432,636, entitled "Apparatus and Method for Operating a Checkout System Having a Movable Takeaway Belt Mechanism and Associated System Construction" by Charles K. Wike, Jr., Kurt J. Lippert, and Paul F. Nugent, Jr.; Ser. No. 09/432,635, entitled "Apparatus and Method for Operating a Checkout System Having an Item Set-Aside Shelf Which is Movable Between a Number of Shelf Positions" by Paul F. Nugent, Jr.; Ser. No. 09/432,634, entitled "Apparatus and Method for Operating a Checkout System Having a Number of Port Expander Devices Associated Therewith" by Robert T. Snyder; Ser. No. 09/432,637, entitled "Apparatus and Method for Operating a Checkout System Having a Power Distribution Architecture Which Conforms to an International Standard" by Robert T. Snyder; Ser. No. 09/432,626, entitled "Apparatus and Method for Operating a Checkout System Having an Electronic Security Deactivation Device Associated Therewith" by Robert T. Snyder and Kurt J. Lippert; Ser. No. 09/432,157, entitled "Apparatus and Method for Operating a Checkout System Which Has a Number of Payment Devices for Tendering Payment During an Assisted Checkout Transaction" by Donald L. Forsythe and Horng Jaan Lin; Ser. No. 09/432,630, entitled "Apparatus and Method for Operating a Checkout System Having a Number of Interface Terminals Associated Therewith" by Kurt J. Lippert,

Charles K. Wike, Jr., and Paul F. Nugent, Jr.; Ser. No. 09/432,639, entitled "Apparatus and Method for Operating a Checkout System Having a Display Monitor Which Displays Both Transaction Information and Customer-Specific Messages During a Checkout Transaction" by Wilfried E. Y. Dejaeger; Ser. No. 09/432,628, entitled "Apparatus and Method for Operating a Checkout System Having an RF Transmitter for Communicating to a Number of Wireless Personal Pagers" by Robert T. Snyder; Ser. No. 09/432,627, entitled "Apparatus and Method for Operating a Checkout System Having a Number of Item Sensors for Controlling Operation of an Input Belt Mechanism" by Kurt J. Lippert and Robert T. Snyder; and Ser. No. 09/432,629, entitled "Apparatus and Method for Operating a Checkout System Having a Video Camera for Enhancing Security During Operation Thereof" by Kurt J. Lippert, each which is assigned to the same assignee as the present invention, and each of which is filed concurrently herewith.

INT-CL-ISSUED: [07] G06 K 15/00

US-CL-ISSUED: 235/383

US-CL-CURRENT: 235/383

FIELD-OF-CLASSIFICATION-SEARCH: 235/379, 235/383, 235/385

See application file for complete search history.

PRIOR-ART-DISCLOSED:

#### U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3688873</u>	September 1972	Potrafke	
<input type="checkbox"/>	<u>3725895</u>	April 1973	Haynes	
<input type="checkbox"/>	<u>4676343</u>	June 1987	Hymble et al.	
<input type="checkbox"/>	<u>4779706</u>	October 1988	Mergenthaler	
<input type="checkbox"/>	<u>4792018</u>	December 1988	Humble et al.	
<input type="checkbox"/>	<u>4947028</u>	August 1990	Gorog	
<input type="checkbox"/>	<u>5083638</u>	January 1992	Schneider	
<input type="checkbox"/>	<u>5115888</u>	May 1992	Schneider	
<input type="checkbox"/>	<u>5174413</u>	December 1992	Cappi et al.	
<input type="checkbox"/>	<u>5250789</u>	October 1993	Johnsen	
<input type="checkbox"/>	<u>5375680</u>	December 1994	Ikeda et al.	
<input type="checkbox"/>	<u>5378860</u>	January 1995	Dingfelder et al.	
<input type="checkbox"/>	<u>5424524</u>	June 1995	Ruppert et al.	
<input type="checkbox"/>	<u>5426282</u>	June 1995	Humble	
<input type="checkbox"/>	<u>5434394</u>	July 1995	Roach et al.	
<input type="checkbox"/>	<u>5437346</u>	August 1995	Dumont	
<input type="checkbox"/>	<u>5478989</u>	December 1995	Shepley	



<input type="checkbox"/>	<u>5494136</u>	February 1996	Humble	
<input type="checkbox"/>	<u>5497853</u>	March 1996	Collins, Jr. et al.	
<input type="checkbox"/>	<u>5543607</u>	August 1996	Watanabe et al.	
<input type="checkbox"/>	<u>5544040</u>	August 1996	Gerbaulet	
<input type="checkbox"/>	<u>5560450</u>	October 1996	Kouno	
<input type="checkbox"/>	<u>5609223</u>	March 1997	Iizaka et al.	
<input type="checkbox"/>	<u>5662190</u>	September 1997	Abe	
<input type="checkbox"/>	<u>5708782</u>	January 1998	Larson et al.	
<input type="checkbox"/>	<u>5747784</u>	May 1998	Walter et al.	
<input type="checkbox"/>	<u>5752582</u>	May 1998	Hayward	
<input type="checkbox"/>	<u>5832457</u>	November 1998	O'Brien et al.	
<input type="checkbox"/>	<u>5845259</u>	December 1998	West et al.	
<input type="checkbox"/>	<u>5845263</u>	December 1998	Camaisa et al.	
<input type="checkbox"/>	<u>5884281</u>	March 1999	Smith et al.	
<input type="checkbox"/>	<u>5884728</u>	March 1999	d'Estaintot et al.	
<input type="checkbox"/>	<u>5890135</u>	March 1999	Powell	
<input type="checkbox"/>	<u>6052052</u>	April 2000	Delmonaco	340/287

ART-UNIT: 2965

PRIMARY-EXAMINER: Tremblay; Mark

ATTY-AGENT-FIRM: Maginot, Moore & Bowman LLP

ABSTRACT:

A method of operating a retail terminal having a signal transmitter associated therewith includes the step of detecting an intervention-needed activity and generating an intervention-needed control signal in response thereto. The method also includes the step of operating the signal transmitter so as to transmit a personnel-request signal in response to generation of the intervention-needed control signal. The method further includes the step of receiving the personnel-request signal with a signal receiver associated with an audible message generating device. Moreover, the method includes the step of generating an audible message that is communicated to retail personnel with the audible message generating device in response to receipt of the personnel-request signal. A retail terminal is also disclosed.

10 Claims, 35 Drawing figures

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#) [Previous Doc](#) [Next Doc](#) [Go to Doc#](#)

Generate Collection

Print

L18: Entry 6 of 10

File: USPT

Jul 1, 1997

US-PAT-NO: 5644471

DOCUMENT-IDENTIFIER: US 5644471 A

TITLE: Portable dock for a portable electronic device

DATE-ISSUED: July 1, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schultz; Darald R.	Cedar Rapids	IA		
Danielson; Arvin D.	Solon	IA		
Bunte; Alan G.	Cedar Rapids	IA		
Sherman; Richard A.	Toddville	IA		
Jaeger; Robert B.	Swisher	IA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Norand Corporation	Cedar Rapids	IA			02

APPL-NO: 08/645980 [PALM]

DATE FILED: May 14, 1996

## PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS (Claiming Benefit Under 35 U.S.C. 120) This application is a continuation of application Ser. No. 08/423,239, filed Apr. 17, 1995 now U.S. Pat. No. 5,544,010 by D. Schultz et al., which is a divisional of application Ser. No. 08/275,884, filed Jul. 15, 1994, by D. Schultz et al., now U.S. Pat. No. 5,408,382, which is a continuation of application Ser. No. 07/958,873, filed Oct. 8, 1992, by D. Schultz et al., now abandoned, which is a continuation-in-part of application Ser. No. 07/880,452, filed May 8, 1992, by D. Schultz et al., now abandoned, which was a continuation-in-part of application Ser. No. 07/818,761, filed Jan. 10, 1992 by D. Schultz et al., now abandoned, which is a continuation-in-part of application Ser. No. 07/558,895, filed Jul. 25, 1990 by Alan G. Bunte et al., now abandoned.

INT-CL-ISSUED: [06] G06 F 1/16, H05 K 7/10

US-CL-ISSUED: 361/686

US-CL-CURRENT: 361/686

FIELD-OF-CLASSIFICATION-SEARCH: 439/638, 439/928.1, 364/708.1, 312/223.2, 361/679-686, 361/724-727, 361/741, 361/756

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#) [Search ALL](#) [Clear](#)

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<a href="#">4345147</a>	August 1982	Aaron et al.	364/708.1
<input type="checkbox"/>	<a href="#">4760375</a>	July 1988	Stecker	361/681 X
<input type="checkbox"/>	<a href="#">4794381</a>	December 1988	Iwai	345/905 X
<input type="checkbox"/>	<a href="#">5030128</a>	July 1991	Herron et al.	364/708.1
<input type="checkbox"/>	<a href="#">5041924</a>	August 1991	Blackborow et al.	361/685 X
<input type="checkbox"/>	<a href="#">5105335</a>	April 1992	Honda	361/679
<input type="checkbox"/>	<a href="#">5133076</a>	July 1992	Hawkins et al.	364/709.09 X
<input type="checkbox"/>	<a href="#">5186646</a>	February 1993	Pederson	361/686 X
<input type="checkbox"/>	<a href="#">5209583</a>	May 1993	Lewis et al.	361/683 X
<input type="checkbox"/>	<a href="#">5227953</a>	July 1993	Lindberg et al.	361/686
<input type="checkbox"/>	<a href="#">5290178</a>	March 1994	Ma	361/686 X
<input type="checkbox"/>	<a href="#">5544010</a>	August 1996	Schultz et al.	361/686

ART-UNIT: 213

PRIMARY-EXAMINER: Phillips; Michael W.

ATTY-AGENT-FIRM: Simmons, Perrine, Albright & Ellwood, P.L.C.

ABSTRACT:

An improved device for docking a first electrical apparatus, having a first apparatus connector, such as a portable interchangeable data terminal, to a second electrical apparatus having a second apparatus connector, such as a vehicle mount. The device includes a portable dock for selectively receiving the data terminal. The dock includes a laterally extending base having a first dock connector, a second dock connector, and first guides extending transversely from each end of the base. Similarly, the second electrical apparatus has transversely extending second guides. The first guides are configured to operably guide the first dock connector to matingly connect with the first apparatus connector as the first apparatus is received by the dock and, similarly, the second guides are configured to operably guide the second dock connector to matingly connect with the second apparatus connector as the dock is received by the second electrical apparatus, such that information is processable between the first electrical apparatus and the second electrical apparatus.

2 Claims, 33 Drawing figures

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L18: Entry 6 of 10

File: USPT

Jul 1, 1997

DOCUMENT-IDENTIFIER: US 5644471 A

TITLE: Portable dock for a portable electronic deviceBrief Summary Text (13):

A still further object of the present invention is to provide a printer frame which can be connectable to various types of terminals such as a docking unit for a standard hand-held terminal, a touch-screen device, a standard hand-held computer such as a Hewlett-Packard 95XL or the like, a touch-screen display, a pen based clipboard-like display for various terminals with drop-in hard keys in either a vertical or horizontal format and with or without displays thereon, etc.

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#) [Previous Doc](#) [Next Doc](#) [Go to Doc#](#)☐ [Generate Collection](#) [Print](#)

L18: Entry 7 of 10

File: USPT

Aug 6, 1996

US-PAT-NO: 5544010

DOCUMENT-IDENTIFIER: US 5544010 A

TITLE: Portable electronic device docking system

DATE-ISSUED: August 6, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schultz; Darald R.	Cedar Rapids	IA		
Danielson; Arvin D.	Solon	IA		
Bunte; Alan G.	Cedar Rapids	IA		
Sherman; Richard A.	Toddville	IA		
Jaeger; Robert B.	Swisher	IA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Norand Corporation	Cedar Rapids	IA			02

APPL-NO: 08/423239 [\[PALM\]](#)

DATE FILED: April 17, 1995

## PARENT-CASE:

This application is a divisional of application Ser. No. 08/275,884, filed Jul. 15, 1994, by D. Schultz et al., now U.S. Pat. No. 5,408,382, which is a continuation of application Ser. No. 07/958,873, (Attorney Docket No. 6837BB), filed Oct. 8, 1992, by D. Schultz et al., now abandoned, which is a continuation-in-part of application Ser. No. 07/880,452, filed May 8, 1992, by D. Schultz et al., now abandoned, which was a continuation-in-part of application Ser. No. 07/818,761, filed Jan. 10, 1992 by D. Schultz et al., now abandoned, which is a continuation-in-part of application Ser. No. 07/558,895, filed Jul. 25, 1990 by Alan G. Bunte et al., now abandoned.

INT-CL-ISSUED: [06] [G06 F 1/16](#), [H05 K 7/10](#)

US-CL-ISSUED: 361/686

US-CL-CURRENT: [361/686](#)

FIELD-OF-CLASSIFICATION-SEARCH: 364/708.1, 439/638, 439/928, 361/686, 361/679-685, 361/724-727, 361/741, 361/756, 312/223.1

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#)[Search ALL](#)[Clear](#)

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4345147</u>	August 1982	Aaron et al.	364/708.1 X
<input type="checkbox"/>	<u>4794381</u>	December 1988	Iwai	345/905 X
<input type="checkbox"/>	<u>5030128</u>	July 1991	Herron et al.	364/708.1
<input type="checkbox"/>	<u>5041924</u>	August 1991	Blackborow et al.	361/685 X
<input type="checkbox"/>	<u>5105335</u>	April 1992	Honda	361/679
<input type="checkbox"/>	<u>5133076</u>	July 1992	Hawkins et al.	364/709.09 X
<input type="checkbox"/>	<u>5186646</u>	February 1993	Pederson	361/686 X
<input type="checkbox"/>	<u>5209583</u>	May 1993	Lewis et al.	361/683 X
<input type="checkbox"/>	<u>5227953</u>	July 1993	Lindberg et al.	361/686
<input type="checkbox"/>	<u>5290178</u>	March 1994	Ma	361/686 X

ART-UNIT: 213

PRIMARY-EXAMINER: Phillips; Michael W.

ATTY-AGENT-FIRM: McAndrews, Held &amp; Malloy, Ltd.

## ABSTRACT:

An improved device for docking a first electrical apparatus, having a first apparatus connector, such as a portable interchangeable data terminal, to a second electrical apparatus having a second apparatus connector, such as a vehicle mount. The device includes a portable dock for selectively receiving the data terminal. The dock includes a laterally extending base having a first dock connector, a second dock connector, and first guides extending transversely from each end of the base. Similarly, the second electrical apparatus has transversely extending second guides. The first guides are configured to operably guide the first dock connector to matingly connect with the first apparatus connector as the first apparatus is received by the dock and, similarly, the second guides are configured to operably guide the second dock connector to matingly connect with the second apparatus connector as the dock is received by the second electrical apparatus, such that information is processable between the first electrical apparatus and the second electrical apparatus.

6 Claims, 33 Drawing figures

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)   [Fwd Refs](#)   [Previous Doc](#)   [Next Doc](#)   [Go to Doc#](#)

[Generate Collection](#)[Print](#)

L18: Entry 7 of 10

File: USPT

Aug 6, 1996

DOCUMENT-IDENTIFIER: US 5544010 A

TITLE: Portable electronic device docking systemBrief Summary Text (13):

A still further object of the present invention is to provide a printer frame which can be connectable to various types of terminals such as a docking unit for a standard hand-held terminal, a touch-screen device, a standard hand-held computer such as a Hewlett-Packard 95XL or the like, a touch-screen display, a pen based clipboard-like display for various terminals with drop-in hard keys in either a vertical or horizontal format and with or without displays thereon, etc.

[Previous Doc](#)   [Next Doc](#)   [Go to Doc#](#)

[First Hit](#)      [Previous Doc](#)      [Next Doc](#)      [Go to Doc#](#)☐ [Generate Collection](#) [Print](#)

L16: Entry 14 of 39

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028481  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030028481 A1

TITLE: Credit card system and method

PUBLICATION-DATE: February 6, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Flitcroft, Daniel I.	County Dublin		IE
O'Donnell, Graham	Sandycove		IE

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE	CODE
Orbis Patents, Ltd.	Sandycove		IE	03	

APPL-NO: 10/160178 [\[PALM\]](#)

DATE FILED: June 4, 2002

## RELATED-US-APPL-DATA:

Application 10/160178 is a continuation-of US application 09/506830, filed February 18, 2000, PENDING  
Application 09/506830 is a continuation-of US application 09/235836, filed January 22, 1999, PENDING  
Application is a non-provisional-of-provisional application 60/295020, filed June 4, 2001,  
Application is a non-provisional-of-provisional application 60/120747, filed February 18, 1999,  
Application is a non-provisional-of-provisional application 60/134027, filed May 13, 1999,  
Application is a non-provisional-of-provisional application 60/144875, filed July 20, 1999,  
Application is a non-provisional-of-provisional application 60/147153, filed August 4, 1999,  
Application is a non-provisional-of-provisional application 60/099614, filed September 9, 1998,  
Application is a non-provisional-of-provisional application 60/098175, filed August 26, 1998,  
Application is a non-provisional-of-provisional application 60/092500, filed July 13, 1998,

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
IE	S98 0458	1998IE-S98 0458	June 15, 1998
IE	S98 0346	1998IE-S98 0346	May 5, 1998
IE	S98 0223	1998IE-S98 0223	March 25, 1998



INT-CL-PUBLISHED: [07] G06 F 17/60

US-CL-PUBLISHED: 705/39

US-CL-CURRENT: 705/39

REPRESENTATIVE-FIGURES: 1

## ABSTRACT:

A credit card system is provided which has the added feature of providing additional limited use credit card numbers and/or cards. These numbers and/or cards can be used for a single or limited use transaction, thereby reducing the potential for fraudulent reuse of these numbers and/or cards. The credit card system finds application to "card remote" transactions such as by phone or Internet. Additionally, when a single use or limited use credit card is used for "card present" transactions, so called "skimming" fraud is eliminated. Various other features enhance the credit card system, which will allow secure trade without the use of elaborate encryption techniques. Methods for limiting, distributing and using a limited use card number, controlling the validity of a limited use credit card number, conducting a limited use credit card number transaction and providing remote access devices for accessing a limited use credit card number are also provided.

[0001] This application is a continuation-in-part of U.S. Non-Provisional Application No. 09/506,830 filed Jan. 18, 2000, which in turn is a continuation-in-part of U.S. Non-Provisional Application No. 09/235,836 filed Jan. 22, 1999. This application claims the benefit of U.S. Provisional Application No. 60/295,020 filed Jun. 4, 2001; U.S. Provisional Application No. 60/120,747 filed Feb. 18, 1999; U.S. Provisional Application No. 60/134,027 filed May 13, 1999; U.S. Provisional Application No. 60/144,875 filed Jul. 20, 1999; U.S. Provisional Application No. 60/147,153 filed Aug. 4, 1999; U.S. Provisional Application No. 60/099,614 filed Sep. 9, 1998; U.S. Provisional Application No. 60/098,175 filed Aug. 26, 1998; U.S. Provisional Application No. 60/092,500 filed Jul. 13, 1998; Irish Application No. S98 0458 filed Jun. 15, 1998; Irish Application No. S98 0346 filed May 5, 1998; Irish Application No. S98 0223 filed Mar. 25, 1998. The entire contents of each of these applications are incorporated herein by reference.

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)      [Previous Doc](#)      [Next Doc](#)      [Go to Doc#](#)☐ [Generate Collection](#) [Print](#)

L16: Entry 20 of 39

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004781  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020004781 A1

TITLE: Self-service terminal

PUBLICATION-DATE: January 10, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Forsyth, Gordon A.	Perth ?amp; Kinross		GB

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
NCR Corporation				

APPL-NO: 09/826612 [\[PALM\]](#)

DATE FILED: April 5, 2001

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
GB	0009568.7	2000GB-0009568.7	April 19, 2000

INT-CL-PUBLISHED: [07] [G06 F 17/60](#), [G06 K 5/00](#)US-CL-PUBLISHED: [705/39](#); [705/40](#), [705/42](#), [235/380](#)US-CL-CURRENT: [705/39](#); [235/380](#), [705/40](#), [705/42](#)

REPRESENTATIVE-FIGURES: 1

## ABSTRACT:

A self-service terminal (12) for connection to a network (30) is described. The terminal (12) has means for receiving payment from a user (58), such as a check deposit module and/or a cash receiving module. The terminal (12) also includes an electronic payment mechanism (82) for creating an electronic financial instrument for paying for an item purchased via the network (30). The electronic financial instrument created is independent of the payment from the user. The terminal (12) may use a credit card for the electronic financial instrument, and the terminal may have a credit card number associated with it, so that the terminal uses this credit card number as part of the electronic financial instrument. The terminal may be an ATM.

[Previous Doc](#)      [Next Doc](#)      [Go to Doc#](#)